

**Notice of Allowability**

Application No.

10/824,800

Examiner

Diego Herrera

Applicant(s)

SCHREYER ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/15/2007.
2. ☒ The allowed claim(s) is/are 1,3-7 and 9-23 and renumbered 1-21 respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|  | 9. <input type="checkbox"/> Other _____.   |

## **DETAILED ACTION**

### ***Allowable Subject Matter***

Claims 1, 3-7, and 9-23 are allowed. However, claim 9 is dependent upon a cancelled claim 8, correction is required.

The following is an examiner's statement of reasons for allowance:

As per claims 1, 3-7, and 9-23, the claims are directed to a mobile subscriber sending a requesting signal, routers that responds are recorded and ranked on a list dependent on signal strength, the strongest router is used to send a request to the central system that the router is associated with through means of a message that contains provisional address and an identifier. The central system decides whether to accept or reject granting registration to the new subscriber, when registration is successful the new subscriber continues to search for a better router or the central system itself also reporting to the central system about all the subscribers that can be reached in its radio range of radio system. When the central systems reject the request to register through the router, the subscriber tries through the second router in the list.

The prior art of record does not teach or fairly suggest the method wherein the new subscriber, after a successful registration, sending out a second search signal to all subscribers located within its radio range and subsequently informing the central system about all subscribers that can be reached in its radio range of radio system.

The prior art of Lynch discloses a distributed wireless call processing system that includes a plurality of mobile transceiver units each having the capability to

simultaneous receive, reprocess and retransmit a plurality of calls to form a plurality of call paths within the network formed by the units.

The prior art of Larson discloses a method of transmitting data between stations in a cellular wireless communication system comprising a plurality of mobile stations and a plurality of base stations. Each base station has an effective coverage zone that communicates with other base stations located outside the effective coverage zone via a mobile station. (Col. 1, Lines 49- 57). The stations monitor data transmission and adjust transmission power accordingly when relaying a message as not to interfere with the effective zone coverage. (Col. 2, Lines 10-13).

Therefore, both Lynch and Larson fail to disclose the method wherein the new subscriber, after a successful registration, sending out a second search signal to all subscribers located within its radio range and subsequently informing the central system about all subscribers that can be reached in its radio range of radio system.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diego Herrera whose telephone number is (571) 272-0907. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Diego Herrera  
Patent Examiner

  
LESTER G. KINCAID  
SUPERVISORY PRIMARY EXAMINER